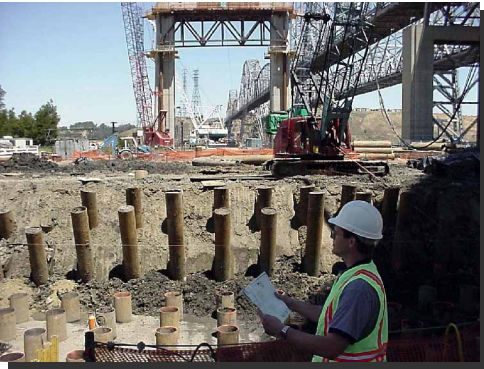


**GEOTECHNICAL SERVICES FUNCTIONAL ORGANIZATION**

**Geotechnical Design**

Our four Geotechnical Design offices provide Caltrans Structures and District Design, Construction, and Maintenance, with soil and foundation recommendations.



**Geotechnical Support**

Geotechnical Support provides specialized engineering and geologic assistance to Geotechnical Design offices, Structure Construction, and Maintenance.



**Drilling Services**

The Office of Drilling Services works in conjunction with the four Geotechnical Design offices to provide statewide drilling services to our clients.



**GEOTECHNICAL SERVICES  
DIVISION OF ENGINEERING SERVICES**



**Shotgun Curve Landslide Correction – District 4, Sonoma County, State Route 1**

**Project Design – Geotechnical field investigation**

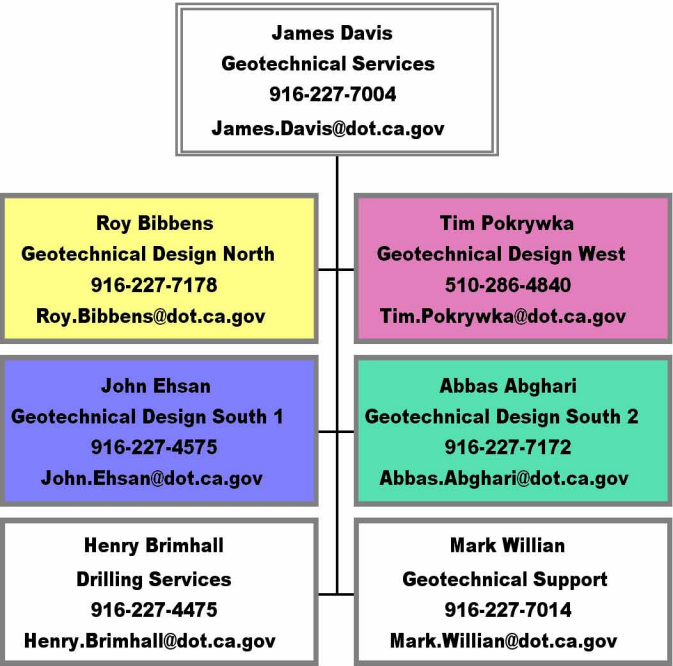


**Project Construction**

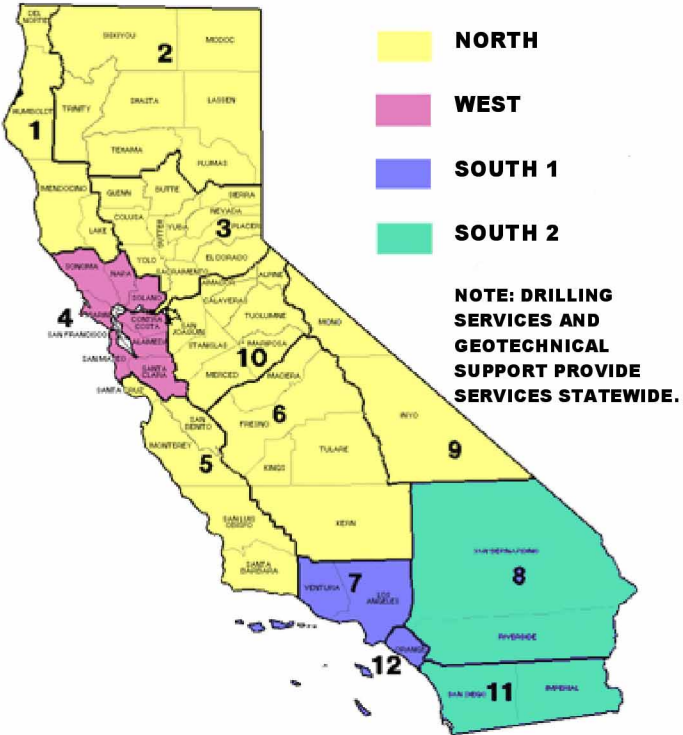


**Project Completion**

**GEOTECHNICAL SERVICES ORGANIZATION  
December 2005**



**GEOTECHNICAL SERVICES DISTRICT COVERAGE**



**From Project Initiation To Construction Completion and Beyond – Caltrans Geotechnical Services Will Be There.**



For individuals with sensory disabilities, this document will be made available, upon request, in Braille, large print, audiocassette, or computer disk. To obtain a copy of one of these alternate formats, please call Della Moore at (916) 227-8185 or TTY (916) 227-8454 or write to Della Moore, Division of Engineering Services, P.O. Box 168041 Sacramento, CA 95816-8041.



# Geologic and geotechnical solutions for the California Department of Transportation!

## During Project Planning and Initiation:

We assess the scope and cost of all geotechnical alternatives.

We provide the Project Development Team (PDT) with:

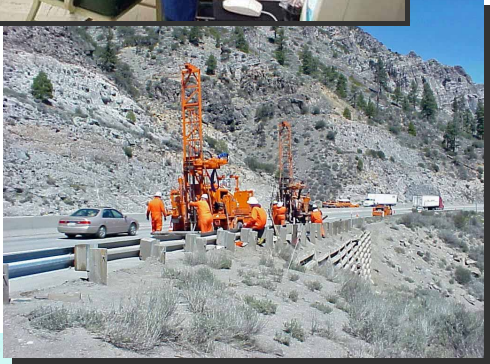
- geologic and geotechnical literature searches,
- field reconnaissance and geologic mapping,
- identification of geotechnical issues,
- preliminary design information,
- and geologic hazard evaluation.



## During Project Design:

We provide the PDT with complete geotechnical investigations, analyses, and recommendations for:

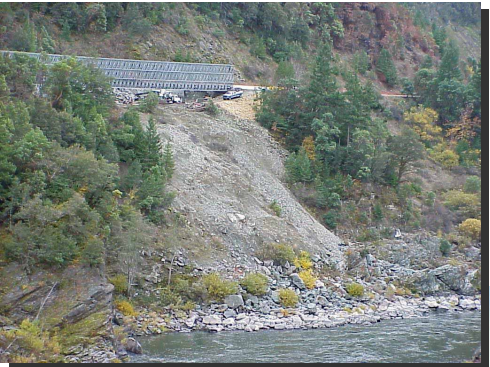
- bridge foundations,
- retaining walls,
- sound walls,
- tunnels,
- culverts,
- embankments, fill and cut slope design,
- expansive and soft soil treatment,
- groundwater control,
- seismic stability and liquefaction potential,
- overhead and changeable message signs,
- and landslide repair.



## During Construction:

We support the Resident Engineer during construction and:

- provide geologic and geotechnical expertise during both pre-bid and pre-construction meetings,
- review geologic and geotechnical features exposed during construction,
- provide support for change orders and claims,
- and provide Foundation Testing when required.



## Maintenance Support:

We provide expertise to Maintenance during geotechnical and geologic emergencies. Geotechnical Services provides solutions for:

- landslides,
- rock fall,
- bridge scour,
- earthquakes,

and many other emergency and chronic maintenance problems.

No matter where a project takes us we will find the answers to your geologic and geotechnical questions!